

Michelle A. Day

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EDUCATION

M.S. in Botany and Plant Pathology, Oregon State University, Corvallis, August 2005
B.A. in Biology and B.A. in Latin American Studies, Bates College, Maine, May 1996

PROFESSIONAL EXPERIENCE

Biological Scientist, US Forest Service, Rocky Mountain Research Station, 2019-present
Senior Faculty Research Assistant, Oregon State University, College of Forestry, 2018-2019
Faculty Research Assistant, Oregon State University, College of Forestry, 2011-2017
Biological Science Technician, Pacific Northwest Research Station, U.S. Forest Service, 2004-2010
Biological Science Technician, Oregon State University, 2003-2005
Senior Research Assistant, New Mexico State University/Jornada LTER, 1999-2003
Wildlife Biologist Technician, Bureau of Land Management, Medford, Oregon 1998
Wildlife Biologist Technician, Bureau of Land Management, Ely, Nevada 1997
Data Technician, Maine Natural Areas Program, January - May 1997
Field Ecologist, Nature Conservancy, Summer 1995 and 1996
Field Research Assistant, Round River Conservation Studies, Fall 1994
Plant Ecology Research Assistant, Harvard Forest LTER, Massachusetts, Summer 1994

SELECTED PUBLICATIONS

- Ager AA, **Day MA**, Palaiologou P, Houtman R, and C Ringo. 2019. Cross-boundary wildfire and community exposure: A framework and application in the western US. Gen. Tech. Rep. RMRS-GTR-392, USDA Forest Service, Rocky Mountain Research Station, Fort Collins, CO.
- Ager AA, Houtman R, **Day MA**, Ringo C, and P Palaiologou. 2019. Tradeoffs between US national forest harvest targets and fuel management to reduce wildfire transmission to the wildland urban interface. *Forest Ecology and Management* 434:99-109.
- Ager AA, Lasko RJ, Myroniuk V, Zibstev S, **Day MA**, Usenya V, Bogomolov V, Kovalets I, and C Evers. 2019. The wildfire problem in areas contaminated by the Chernobyl disaster. *Science of the Total Environment*. doi: 10.1016/j.scitotenv.2019.133954
- Barros AMG, Ager AA, **Day MA**, and P Palaiologou. 2019. Improving long-term fuel treatment effectiveness in the National Forest System through quantitative prioritization. *Forest Ecology and Management* 433:514-527.
- Kerns BK and **MA Day**. 2019. Prescribed fire regimes subtly alter ponderosa pine forest plant community structure. *Ecosphere* (12):e02529. doi: 10.1002/ecs2.2529.
- Palaiologou P, Ager AA, Evers C, Nielsen-Pincus M, **Day MA**, and H Preisler. 2019. Fine-scale assessment of cross-boundary wildfire events in the western United States. *Natural Hazards and Earth System Sciences* 19:1755-1777.
- Palaiologou P, Ager AA, Evers C, Nielsen-Pincus M, Ringo C, and **MA Day**. 2019. Social vulnerability to large wildfires in the western US. *Landscape and Urban Planning* 189:99-116.
- Ager AA, Barros AMG, **Day MA**, Preisler HK, Spies T, and J Bolte. 2018. Analyzing fine-scale spatiotemporal drivers of wildfire in a forest landscape model. *Ecological Modelling* 384:87-102.
- Ager AA, Palaiologou P, Evers CR, **Day MA**, and AMG. Barros. 2018. Assessing transboundary wildfire exposure in the southwestern United States. *Risk Analysis*. doi: 10.1111/risa.12999

- Alcasena FJ, Ager AA, Salis M, **Day MA**, and C Vega-Garcia. 2018. Optimizing prescribed fire allocation for managing wildfire risk in central Catalonia. *Science of the Total Environment* 621:872-885.
- Barros AMG, Ager AA, **Day MA**, Krawchuk M, and T Spies. 2018. Wildfires managed for restoration enhance ecological resilience. *Ecosphere* 9: e02161. doi: 10.1002/ecs2.2161
- Ager AA, Barros A, Preisler HK, **Day MA**, Spies T, Bailey J, and J Bolte. 2017. Effects of accelerated wildfire on future fire regimes and implications for US federal fire policy. *Ecology and Society* 12: 12. doi: 10.5751/ES-09680-220412
- Ager AA, Evers C, **Day MA**, Preisler HK, Barros AMG, and M Nielsen-Pincus. 2017. Network analysis of wildfire transmission and implications for risk governance. *PLoS ONE* 12: e0172867. doi: 10.1371/journal.pone.0172867
- Ager AA, Vogler KG, **Day MA**, and JD Bailey. 2017. Economic opportunities and trade-offs in collaborative forest landscape restoration. *Ecological Economics* 136:226-239.
- Barros A, Ager AA, **Day MA**, Preisler H, Spies T, White E, Pabst R, Olsen K, Platt E, Bailey J, and J Bolte. 2017. Spatiotemporal dynamics of simulated wildfire, forest management and forest succession in central Oregon, U.S.A. *Ecology and Society* 22:24. <http://www.ecologyandsociety.org/vol22/iss1/art24/>.
- Kerns BK and MA Day. 2017. The importance of disturbance by fire and other abiotic and biotic factors in driving cheatgrass invasion varies based on invasion stage. *Biological Invasions* 19:1853-1862.
- Ager AA, **Day MA**, and K Vogler. 2016. Production possibility frontiers and socioecological tradeoffs for restoration of fire adapted forests. *Journal of Environmental Management* 176:157-168. doi: 10.1016/j.jenvman.2016.01.033
- Kerns BK, Kim JB, Kline JD and **MA Day**. 2016. US exposure to multiple landscape stressors and climate change. *Regional Environmental Change* doi: 10.1007/s10113-016-0934-2
- Vogler KC, Ager AA, **Day MA**, Jennings M, and JD Bailey. 2015. Prioritization of forest restoration projects: tradeoffs between wildfire protection, ecological restoration and economic objectives. *Forests* 6:4403-4420. doi:10.3390/f6124375
- Ager AA, **Day MA**, Short K, and C Evers. 2015. Assessing the impacts of federal forest planning on mitigating wildfire risk to communities in the Pacific Northwest, USA. *Landscape and Urban Planning* 147:1-17.
- Kerns BK and **MA Day**. 2014. The effect of fuel reduction and seeding on vegetation in an invaded juniper woodland. *Rangeland Ecology and Management* 67:667-679.
- Ager A, **Day MA**, McHugh, CW, Short K, Gilbertson-Day J, Finney MA and CW McHugh. 2014. Wildfire exposure and fuel management on western US national forests. *Journal of Environmental Management* 145:54-70.
- Buonopane M**, Snider G, Kerns BK and P Doescher. 2013. Complex restoration challenges: weeds, seeds, and roads in a forested Wildland Urban Interface. *Forest Ecology and Management* 295:87-96
- Ager A, **Buonopane M**, Reger A, and MA Finney. 2012. Wildfire exposure analysis on the national forests in the Pacific Northwest, USA. *Risk Analysis* 33:1000-1020.
- Kerns BK, **Buonopane M**, Thies WG and C Niwa. 2011. Reintroducing fire into a ponderosa pine forest with and without cattle grazing: understory vegetation response. *Ecosphere* 2(5):art59.
- Kerns BK, Naylor BJ, **Buonopane M**, Parks CG, and B Rogers. 2009. Modeling tamarisk (*Tamarix* spp.) habitat and climate change effects in the northwestern United States. *Invasive Plant Science and Management* 2:200-215.
- Buonopane M**, Huenneke LF, and M Remmenga. 2005. Community response to removals of plant functional groups and species from a Chihuahuan Desert shrubland. *Oikos* 110(1):67-80.